

We claim:

a means for detecting ~~electrical changes~~ an electrical change or a short across said grid tracings
where said electrical change or short indicates the presence of electrically conducting dust
particles on said surface.

2.(Original) The apparatus of claim 1 where said electrical change detection means includes a means for filtering a signal generated by a electrical change across said grid such as a voltage change.

4.(Original) The apparatus of claim 2 where said filtered signal is inputted to a means for processing said signal.

5.(Original) The apparatus of claim 4 where said processing means includes a channel analyzer to which a counter is electrically coupled.

6.(Original) The apparatus of claim 4 where said processing means includes an oscilloscope.

7. (Original) The apparatus of claim 1 where said power supply is capable of providing a variable bias voltage across a plurality of traces which form said grid.

8.(Original) The apparatus of claim 1 where said trace specified separation or spacing is determined based on the expected dust particle size.